

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: LUMARK

Report Number: P1445095

Luminaire Tested: XAS300-SFPM (5000K-180W-T4-HSS)

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445095
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA ()
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/5/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XAS300-SFPM (5000K-180W-T4-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 60% (180W)
OPTICS - TYPE 4 WITH HOUSE SIDE SHIELD
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 38695 (1 lamp)
Luminaire Lumens: 25359.3 lumens
Efficiency: 65.5%
Efficacy: 138.5 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 183.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

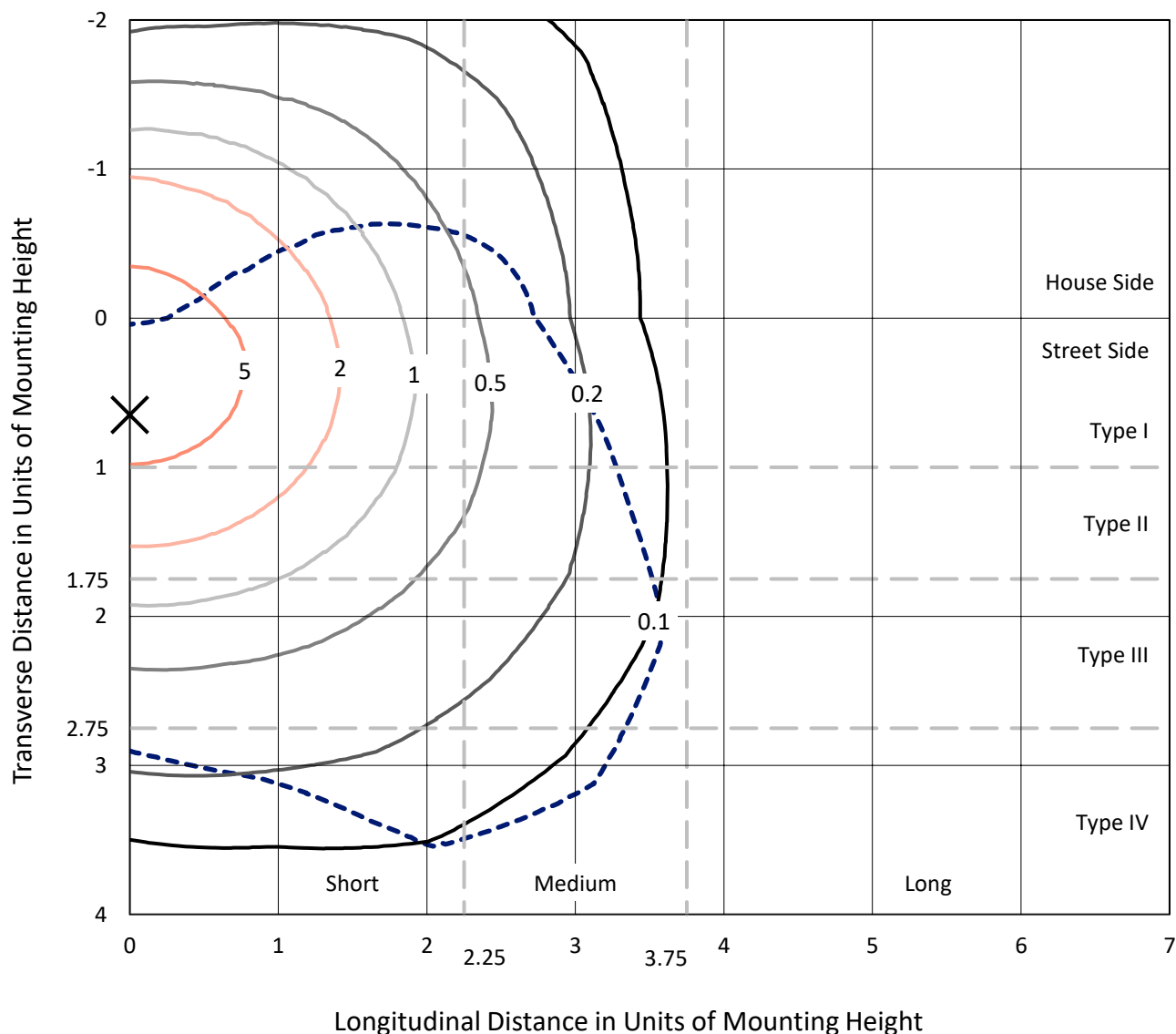
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

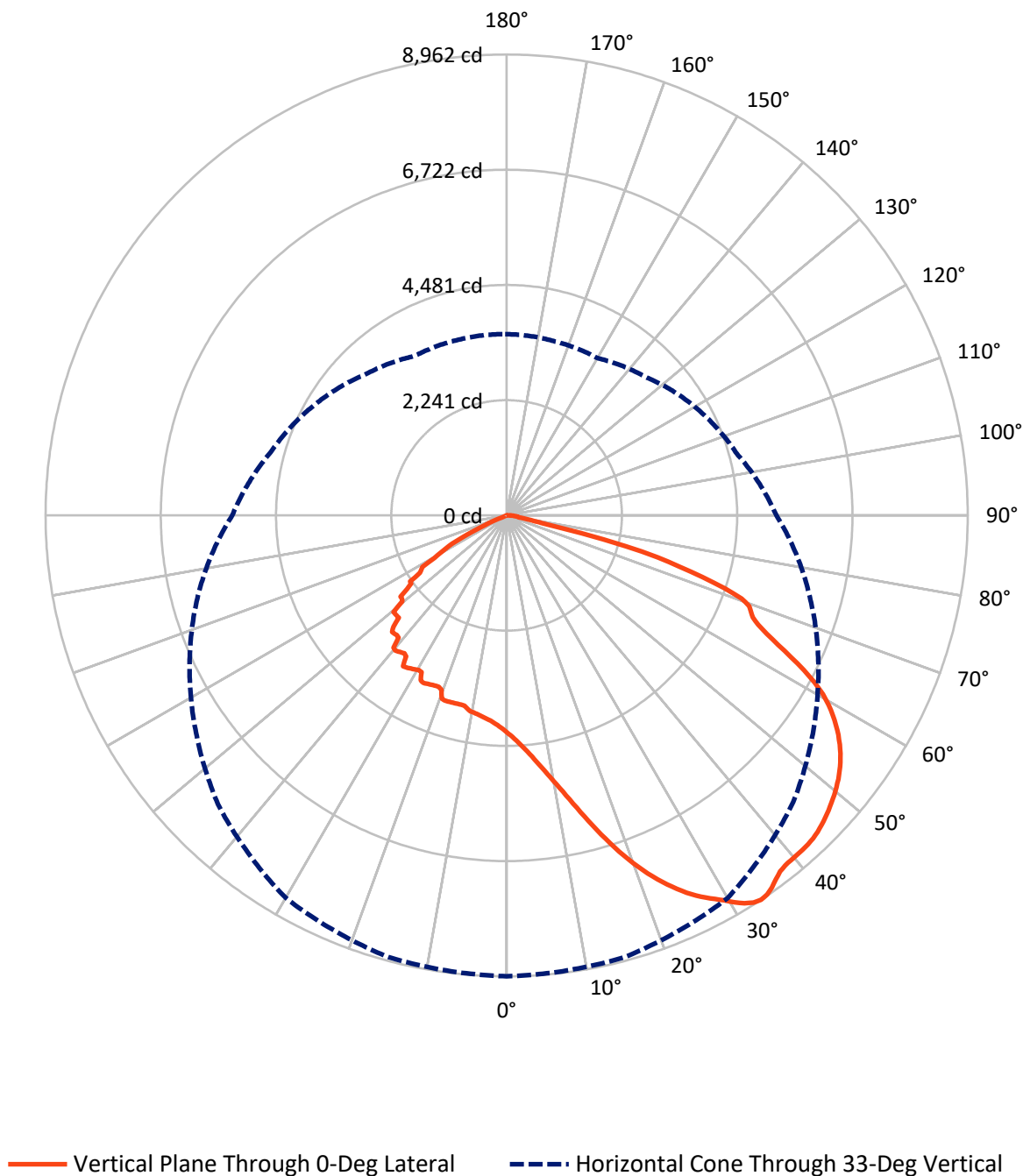


Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



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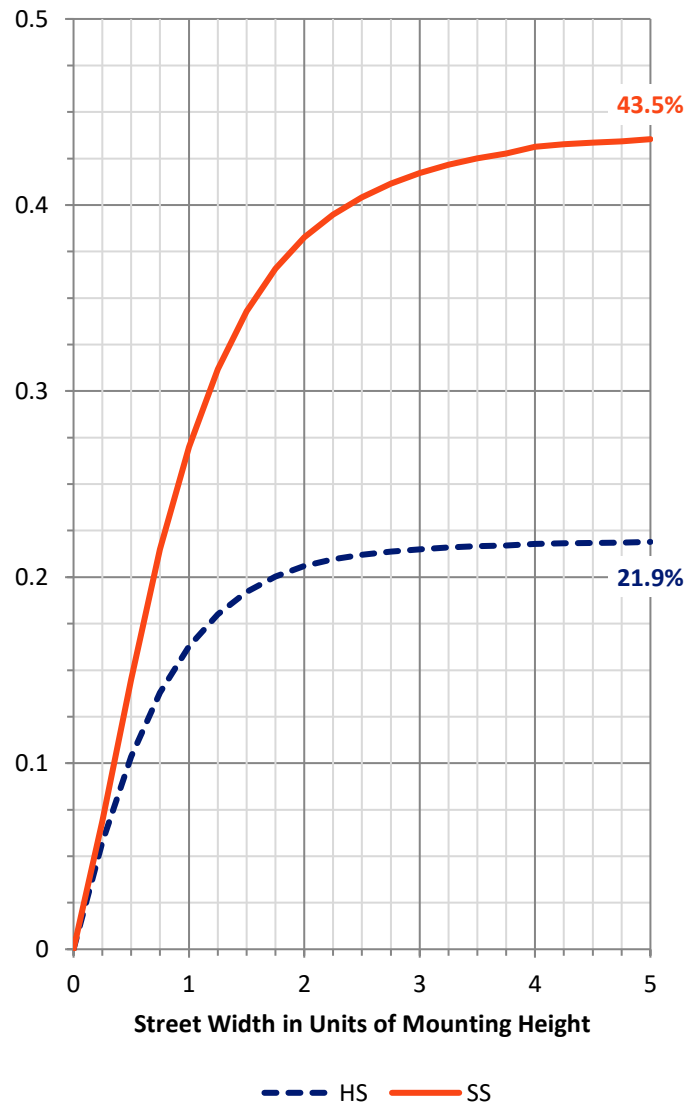
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8515.6	0.0	8515.6
	% Lamp	22.0	0.0	22.0
Street Side	Lumens	16843.6	0.0	16843.6
	% Lamp	43.5	0.0	43.5
Total	Lumens	25359.3	0.0	25359.3
	% Lamp	65.5	0.0	65.5

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	417.1	1.6	1.1
10°-20°	1366.9	5.4	3.5
20°-30°	2518.8	9.9	6.5
30°-40°	3673.2	14.5	9.5
40°-50°	4533.6	17.9	11.7
50°-60°	5063.5	20.0	13.1
60°-70°	4742.7	18.7	12.3
70°-80°	2812.6	11.1	7.3
80°-90°	230.9	0.9	0.6
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	25359.3	100.0	65.5
0°-180°	25359.3	100.0	65.5

Coefficient of Utilization



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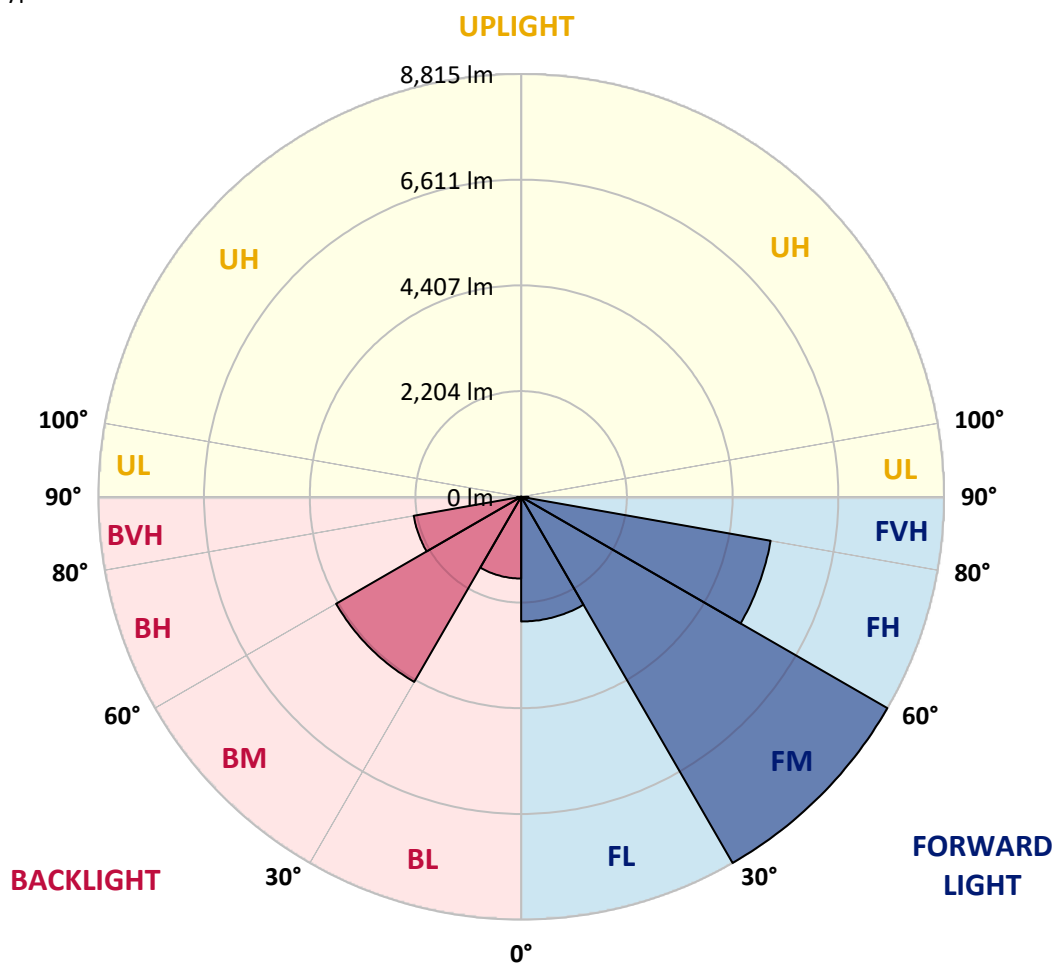
CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2599.0	6.7			
FM	(30°-60°)	8814.6	22.8			
FH	(60°-80°)	5280.2	13.6			G3/7500
FVH	(80°-90°)	149.8	0.4			G2/225
BL	(0°-30°)	1703.8	4.4	B3/2500		
BM	(30°-60°)	4455.8	11.5	B3/5000		
BH	(60°-80°)	2275.0	5.9	B3/2500		G3/2500
BVH	(80°-90°)	81.1	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		13335.7	34.5			

BUG Rating: B3-U0-G3

Type IV Short



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CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4-HSS)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	4243.6	4243.6	4243.6	4243.6	4243.6	4243.6	4243.6	4243.6	4243.6	4243.6	4243.6
1°	4308.3	4308.6	4303.3	4295.1	4283.7	4267.9	4237.3	4221.4	4206.5	4195.6	4186.9
2°	4383.5	4380.6	4366.1	4344.6	4318.5	4286.5	4239.2	4207.4	4178.8	4155.6	4138.6
3°	4465.7	4459.6	4436.3	4401.9	4357.9	4308.7	4244.4	4197.1	4155.4	4120.9	4097.6
4°	4558.8	4548.0	4515.1	4466.1	4403.7	4336.7	4254.3	4191.1	4134.9	4091.0	4061.2
5°	4660.8	4645.7	4600.4	4535.1	4455.5	4368.7	4268.7	4189.2	4120.0	4066.4	4029.9
6°	4771.4	4751.5	4695.6	4612.8	4511.9	4402.9	4284.3	4190.0	4108.0	4044.8	4000.6
7°	4893.0	4869.6	4799.1	4697.3	4571.8	4439.1	4301.0	4191.6	4098.7	4026.1	3978.1
8°	5021.3	4992.8	4910.9	4787.5	4636.5	4479.2	4320.8	4195.5	4090.9	4011.7	3961.2
9°	5163.3	5127.7	5031.6	4884.2	4706.4	4522.9	4343.1	4200.5	4083.9	4002.7	3946.6
10°	5316.5	5274.9	5159.9	4987.6	4780.7	4569.0	4365.9	4206.6	4077.8	3995.6	3934.6
11°	5479.2	5431.0	5299.8	5099.9	4859.3	4618.6	4392.0	4215.2	4075.8	3990.0	3924.5
12°	5654.4	5598.5	5446.7	5217.5	4941.8	4671.0	4409.8	4216.3	4078.0	3985.6	3919.0
13°	5847.1	5779.7	5603.5	5343.4	5030.4	4714.9	4429.8	4218.5	4070.2	3982.9	3913.4
14°	6048.3	5969.9	5766.4	5474.0	5124.3	4762.7	4453.7	4221.7	4065.5	3983.4	3871.2
15°	6256.4	6170.1	5938.7	5607.7	5211.0	4813.5	4480.9	4231.2	4061.2	3974.7	3844.9
16°	6469.4	6368.9	6115.1	5748.6	5304.3	4870.0	4518.1	4248.4	4062.8	3960.9	3845.6
17°	6680.8	6574.0	6293.1	5892.7	5400.2	4932.6	4551.3	4260.9	4068.5	3928.5	3850.8
18°	6889.9	6773.9	6472.1	6039.5	5494.5	5000.3	4588.8	4279.0	4073.3	3909.3	3858.0
19°	7095.0	6969.8	6650.0	6183.0	5597.2	5064.7	4633.6	4306.2	4084.3	3908.9	3868.6
20°	7293.6	7162.5	6822.4	6312.5	5699.5	5133.3	4682.0	4335.9	4102.3	3912.2	3877.5
21°	7479.7	7346.7	6989.5	6452.7	5808.5	5209.2	4729.9	4359.8	4119.5	3918.2	3878.6
22°	7656.0	7521.0	7150.1	6579.2	5909.3	5290.0	4770.0	4368.9	4124.3	3933.8	3877.9
23°	7823.1	7690.7	7308.0	6703.8	6015.6	5372.6	4794.7	4385.1	4108.3	3948.8	3845.9
24°	7982.4	7850.6	7460.7	6827.6	6120.3	5447.0	4827.4	4414.5	4113.0	3956.1	3717.6
25°	8131.1	8007.3	7609.5	6952.1	6224.0	5514.3	4872.9	4431.7	4117.1	3963.9	3673.0
26°	8262.2	8144.3	7754.3	7070.8	6330.1	5571.9	4917.6	4449.9	4122.3	3976.8	3679.7
27°	8376.9	8268.8	7891.9	7186.8	6435.4	5638.0	4950.3	4480.3	4145.1	3978.5	3690.4
28°	8487.7	8380.8	8021.7	7300.8	6538.8	5715.9	4994.8	4511.2	4167.7	3903.0	3697.3
29°	8599.1	8494.2	8139.0	7407.6	6633.0	5799.5	5051.2	4536.4	4176.8	3831.1	3702.8
30°	8734.1	8623.3	8255.7	7517.7	6722.8	5871.9	5108.9	4551.4	4182.0	3796.9	3710.0
31°	8844.8	8741.9	8377.6	7637.7	6794.9	5942.9	5160.7	4572.2	4200.1	3789.7	3720.8
32°	8928.7	8835.7	8491.6	7762.8	6878.7	6016.9	5202.8	4603.1	4221.0	3794.0	3632.8
33°	8962.2	8890.1	8590.6	7880.8	6978.4	6099.2	5244.4	4631.9	4224.1	3808.9	3531.4
34°	8943.8	8884.2	8648.2	7988.9	7083.2	6186.9	5296.9	4649.4	4237.7	3825.8	3523.7
35°	8882.9	8833.7	8647.6	8069.5	7182.8	6276.1	5356.8	4675.5	4249.8	3837.6	3528.9
36°	8800.9	8760.3	8604.3	8120.7	7271.3	6358.9	5415.2	4707.5	4258.7	3840.7	3541.3
37°	8728.8	8677.7	8542.1	8129.8	7329.6	6422.3	5458.8	4731.2	4252.8	3836.7	3563.0
38°	8697.4	8625.3	8483.1	8112.1	7365.7	6481.0	5505.3	4753.0	4181.3	3739.5	3573.1
39°	8687.6	8600.4	8443.8	8087.9	7377.5	6532.0	5567.6	4773.6	4127.9	3686.4	3577.1
40°	8684.9	8587.3	8425.4	8072.8	7376.2	6568.7	5626.7	4795.0	4111.8	3710.3	3452.9
41°	8682.3	8580.1	8416.2	8067.6	7386.6	6596.9	5671.9	4810.1	4139.6	3735.1	3400.4
42°	8673.8	8572.9	8411.0	8066.3	7409.6	6625.1	5704.0	4818.7	4167.2	3735.0	3417.3
43°	8654.8	8564.3	8407.1	8072.8	7436.5	6650.0	5726.5	4846.4	4157.6	3743.7	3412.9
44°	8626.6	8551.2	8399.8	8085.3	7465.9	6676.2	5745.0	4873.6	4158.9	3767.0	3409.1

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CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	8586.6	8530.3	8388.7	8097.7	7493.5	6711.0	5767.6	4908.2	4182.3	3783.6	3408.0
46°	8540.7	8503.4	8374.3	8105.6	7521.0	6752.9	5790.5	4896.7	4208.4	3676.0	3242.0
47°	8487.7	8473.9	8357.2	8111.5	7548.5	6796.8	5807.7	4866.3	4214.0	3600.1	3198.7
48°	8432.6	8439.2	8338.2	8118.7	7575.4	6838.1	5840.4	4880.8	4210.7	3606.5	3210.9
49°	8373.6	8403.8	8314.0	8121.3	7606.9	6876.8	5877.7	4910.8	4133.7	3629.4	3210.6
50°	8309.4	8367.1	8285.8	8114.8	7630.4	6911.5	5911.0	4931.8	4096.9	3628.0	3190.7
51°	8238.6	8322.5	8251.7	8102.3	7658.0	6941.0	5937.6	4938.1	4103.5	3622.3	3010.4
52°	8157.4	8270.7	8213.7	8091.2	7688.1	6968.5	5935.7	4957.4	4104.4	3492.8	3007.5
53°	8069.5	8208.5	8170.5	8078.7	7713.7	6988.2	5904.9	4966.9	4134.4	3455.2	3029.6
54°	7971.2	8132.5	8126.6	8063.0	7726.8	7006.5	5872.2	4955.5	4133.6	3462.5	3047.0
55°	7859.8	8044.0	8076.1	8043.3	7731.4	7017.7	5867.5	4948.6	4127.6	3458.7	2870.6
56°	7731.4	7938.5	8015.8	8015.8	7731.4	7022.3	5868.8	4932.9	4094.7	3394.8	2831.8
57°	7591.1	7818.5	7944.4	7984.3	7729.4	7029.5	5862.2	4919.1	4033.0	3290.4	2833.4
58°	7434.5	7679.6	7858.5	7949.0	7720.9	7040.0	5836.8	4867.0	4020.3	3323.1	2697.8
59°	7264.1	7523.0	7764.8	7907.0	7708.4	7044.5	5811.2	4842.7	4011.5	3360.9	2618.7
60°	7064.9	7346.0	7652.1	7854.6	7686.2	7038.6	5784.3	4804.4	3995.7	3334.6	2612.6
61°	6812.5	7139.6	7528.2	7787.7	7654.0	7015.7	5742.9	4760.0	3960.1	3230.0	2422.8
62°	6512.1	6889.2	7386.6	7705.2	7614.7	6967.9	5684.3	4709.1	3914.1	3213.1	2406.1
63°	6176.3	6605.4	7227.4	7608.2	7561.6	6889.9	5608.0	4649.4	3901.8	3164.9	2269.3
64°	5844.8	6311.7	7049.1	7500.7	7492.2	6790.3	5519.0	4583.5	3859.4	3106.7	2206.8
65°	5557.6	6024.9	6855.1	7380.1	7411.6	6680.8	5429.9	4528.9	3773.7	3077.0	2051.3
66°	5329.2	5773.2	6642.8	7238.5	7313.9	6581.2	5314.0	4460.1	3776.0	3001.0	1980.5
67°	5179.8	5558.8	6439.6	7079.9	7192.7	6465.1	5179.2	4367.2	3800.4	2971.0	1821.8
68°	5103.0	5399.9	6245.2	6897.7	7048.5	6321.0	4988.1	4261.4	3819.0	2909.3	1689.9
69°	5033.7	5285.9	6065.2	6701.1	6872.8	6135.8	4764.3	4132.7	3731.1	2857.9	1535.5
70°	4846.4	5180.3	5891.6	6487.9	6670.3	5864.9	4419.1	3948.0	3633.9	2808.4	1422.1
71°	4476.4	5000.4	5735.5	6271.0	6435.5	5512.0	3974.8	3693.4	3553.5	2743.6	1340.9
72°	3988.3	4694.6	5587.4	6048.4	6175.4	5095.4	3535.7	3417.1	3447.6	2670.4	1259.7
73°	3504.3	4274.5	5421.2	5831.3	5877.2	4628.5	3141.0	3133.1	3283.2	2591.3	1178.5
74°	3046.6	3808.5	5221.8	5610.5	5533.1	4155.9	2773.9	2847.4	3112.4	2487.1	1102.3
75°	2387.5	3296.0	4964.9	5341.5	5159.1	3655.1	2329.8	2554.0	2932.4	2348.1	994.2
76°	1499.9	2664.3	4602.0	5031.5	4716.0	3103.9	1699.0	2211.6	2742.3	2176.9	880.8
77°	708.9	1771.0	4128.0	4601.5	4210.7	2346.2	1068.3	1657.4	2548.7	1931.6	772.4
78°	556.8	889.7	3546.3	4040.7	3606.3	1476.9	447.0	1103.2	2330.7	1609.1	660.2
79°	412.0	682.5	2773.4	3350.2	2897.0	737.1	203.7	554.6	1981.4	1286.6	559.9
80°	267.3	475.4	1778.3	2505.7	2055.3	548.5	174.7	406.5	1415.3	964.5	483.8
81°	243.2	268.3	922.8	1597.9	1192.8	367.5	145.6	258.4	851.1	712.3	486.8
82°	221.2	237.1	691.0	768.6	536.8	186.6	116.8	113.9	372.7	582.3	453.3
83°	200.2	212.4	469.1	590.3	368.0	157.4	100.0	92.5	282.6	496.2	362.8
84°	178.8	188.4	247.2	415.0	201.6	133.4	83.9	74.3	192.5	393.7	250.0
85°	157.2	164.7	200.1	239.7	161.8	110.7	68.1	58.5	103.9	279.7	178.9
86°	134.0	142.3	160.7	203.8	129.7	87.9	52.7	45.0	85.7	224.4	108.5
87°	111.1	120.9	132.9	162.6	103.3	67.2	37.7	33.4	66.5	169.1	71.0
88°	90.6	100.2	105.8	116.2	80.0	51.1	26.8	23.8	44.2	113.8	48.5
89°	74.1	78.5	77.7	68.9	61.4	34.9	15.8	14.2	30.7	58.4	26.1



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CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1445095

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1445095
CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1445095

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	4243.6	4243.6	4243.6	4243.6	4243.6	4243.6	4243.6	4243.6	4243.6	4243.6	4243.6
1°	4183.1	4183.5	4188.8	4197.7	4210.6	4225.2	4240.6	4242.3	4258.0	4273.7	4287.3
2°	4130.8	4129.0	4136.6	4151.9	4174.2	4200.9	4232.1	4249.6	4281.1	4312.0	4340.0
3°	4085.3	4081.8	4091.3	4111.7	4141.3	4180.2	4225.2	4259.3	4307.5	4355.6	4399.5
4°	4045.5	4041.0	4052.3	4076.1	4113.7	4163.5	4222.2	4272.1	4338.1	4404.7	4464.7
5°	4008.8	4004.1	4016.7	4045.1	4088.6	4149.5	4220.9	4287.2	4370.6	4456.4	4536.3
6°	3978.1	3973.3	3987.0	4016.7	4067.9	4137.3	4222.9	4305.2	4406.5	4512.6	4614.1
7°	3953.4	3947.3	3962.8	3995.2	4048.2	4128.0	4226.1	4324.3	4445.4	4574.0	4697.5
8°	3931.7	3924.2	3940.9	3979.0	4034.1	4119.8	4230.7	4344.4	4486.8	4639.4	4786.1
9°	3911.6	3903.1	3921.1	3963.3	4024.5	4112.2	4235.2	4366.8	4530.4	4709.7	4882.8
10°	3895.4	3886.4	3904.5	3950.2	4016.9	4106.3	4243.3	4393.2	4577.2	4783.9	4984.5
11°	3883.9	3874.6	3892.9	3940.3	4011.2	4105.7	4253.3	4422.7	4629.6	4863.4	5094.8
12°	3859.6	3831.6	3868.6	3934.1	4008.0	4108.7	4255.4	4442.3	4685.3	4946.8	5212.0
13°	3815.4	3788.2	3824.2	3930.7	4006.3	4101.9	4262.2	4466.3	4730.5	5040.2	5338.0
14°	3795.2	3784.2	3803.9	3886.4	4007.3	4100.2	4268.7	4490.6	4781.6	5132.2	5471.7
15°	3797.5	3784.3	3804.1	3857.6	3999.8	4100.8	4283.0	4521.6	4834.0	5220.2	5610.8
16°	3800.1	3787.2	3807.1	3860.4	3994.9	4108.0	4296.4	4558.7	4893.0	5314.2	5756.7
17°	3806.4	3791.9	3814.0	3867.0	3965.0	4112.5	4313.4	4595.2	4963.9	5410.8	5905.9
18°	3810.8	3792.3	3818.7	3875.7	3949.9	4121.1	4337.6	4635.2	5026.4	5517.1	6052.3
19°	3813.7	3793.1	3822.6	3888.6	3944.5	4139.1	4366.8	4684.1	5096.1	5623.9	6189.8
20°	3816.7	3777.3	3827.1	3897.9	3949.2	4160.6	4395.4	4733.7	5169.0	5737.3	6333.8
21°	3738.9	3622.0	3755.0	3898.5	3962.7	4177.1	4418.8	4778.1	5252.2	5844.0	6472.1
22°	3627.3	3582.2	3649.5	3900.9	3979.5	4184.5	4431.5	4818.0	5335.7	5954.7	6600.9
23°	3609.7	3586.6	3631.4	3878.6	3992.1	4175.1	4457.7	4846.3	5416.8	6067.1	6732.6
24°	3616.4	3596.6	3639.7	3748.9	4002.5	4185.6	4491.3	4886.0	5491.8	6177.4	6861.0
25°	3629.0	3610.4	3653.3	3714.1	4012.4	4193.1	4511.5	4936.6	5556.7	6289.9	6983.6
26°	3643.6	3622.7	3669.6	3726.6	4028.0	4198.9	4536.2	4977.1	5623.8	6399.2	7106.2
27°	3655.8	3636.9	3683.8	3737.3	4028.7	4224.8	4572.5	5016.8	5701.2	6507.1	7222.8
28°	3668.6	3611.6	3700.5	3745.9	3957.8	4246.3	4606.4	5068.7	5788.3	6608.1	7340.1
29°	3604.5	3468.1	3632.6	3751.4	3889.4	4253.5	4628.9	5127.3	5873.6	6707.0	7459.4
30°	3483.9	3457.2	3513.3	3763.3	3853.5	4260.9	4648.8	5185.5	5948.6	6796.8	7580.6
31°	3479.5	3476.3	3508.3	3775.2	3848.5	4281.5	4678.5	5235.9	6031.4	6886.6	7703.2
32°	3493.5	3500.3	3522.8	3677.4	3859.2	4301.6	4714.0	5280.4	6125.9	6983.6	7823.1
33°	3510.9	3523.0	3540.6	3577.5	3877.3	4305.3	4747.5	5333.6	6224.1	7085.2	7937.8
34°	3527.6	3541.5	3555.9	3573.6	3895.4	4319.9	4766.3	5399.6	6313.7	7186.1	8039.4
35°	3540.9	3557.1	3568.3	3578.2	3903.8	4330.5	4798.3	5464.5	6390.5	7284.4	8107.6
36°	3545.7	3366.2	3569.7	3593.5	3905.2	4338.0	4829.7	5524.6	6456.9	7352.6	8137.0
37°	3352.3	3338.8	3371.9	3613.4	3899.4	4329.1	4855.4	5568.6	6514.4	7393.2	8137.7
38°	3312.4	3358.2	3340.8	3620.1	3803.0	4261.7	4877.4	5620.9	6560.9	7409.6	8116.7
39°	3324.7	3381.6	3352.9	3630.7	3753.0	4215.5	4890.9	5674.6	6598.9	7413.5	8090.5
40°	3341.2	3402.0	3365.3	3506.3	3782.1	4202.2	4908.4	5715.6	6627.7	7420.7	8076.1
41°	3342.6	3383.6	3366.4	3461.6	3801.9	4229.5	4912.8	5752.2	6650.0	7437.1	8070.2
42°	3309.2	3173.0	3335.0	3473.4	3798.8	4245.8	4920.7	5783.9	6676.2	7457.4	8079.4
43°	3121.4	3157.4	3152.1	3466.8	3815.0	4227.8	4951.0	5810.4	6705.1	7481.7	8097.1
44°	3105.8	3168.8	3140.3	3463.5	3837.5	4235.1	4982.7	5834.0	6741.1	7508.5	8113.5

REPORT NUMBER: P1445095

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	3121.6	3174.5	3154.9	3463.0	3852.7	4263.2	5016.4	5860.6	6782.4	7534.8	8127.9
46°	3124.1	3084.3	3154.5	3288.4	3742.0	4288.5	4991.1	5879.7	6821.7	7566.9	8142.3
47°	3043.9	2890.3	3066.5	3262.4	3671.9	4301.9	4966.0	5903.6	6861.7	7602.3	8154.1
48°	2877.5	2891.0	2915.0	3271.3	3684.0	4291.5	4987.9	5940.3	6901.0	7636.3	8159.3
49°	2890.0	2894.8	2930.1	3270.3	3707.8	4215.6	5024.0	5971.8	6939.0	7665.8	8156.0
50°	2906.0	2893.3	2947.5	3243.2	3701.6	4195.7	5042.8	5997.9	6972.5	7698.6	8149.5
51°	2915.1	2627.4	2960.2	3071.8	3690.4	4203.1	5051.8	6012.2	7000.0	7726.8	8142.3
52°	2688.7	2601.0	2724.7	3076.6	3555.5	4210.9	5071.6	5992.4	7022.3	7749.7	8133.1
53°	2658.6	2597.4	2698.2	3099.2	3535.1	4237.5	5075.0	5953.4	7042.6	7763.5	8122.0
54°	2652.1	2400.0	2691.2	3115.4	3546.1	4233.7	5062.6	5931.1	7052.4	7768.1	8107.6
55°	2467.1	2279.7	2496.0	2928.2	3543.8	4225.5	5052.4	5928.7	7056.3	7767.4	8091.2
56°	2371.1	2274.0	2410.4	2897.8	3465.4	4189.8	5031.2	5929.4	7058.3	7768.7	8068.9
57°	2368.4	2022.7	2407.0	2900.5	3387.4	4130.6	5008.4	5915.2	7062.2	7763.5	8036.8
58°	2141.4	1964.4	2171.5	2749.0	3422.0	4121.2	4948.3	5879.1	7060.3	7749.1	7991.6
59°	2083.5	1919.0	2119.9	2692.1	3458.9	4107.6	4928.6	5850.1	7053.1	7729.4	7935.8
60°	1986.9	1627.4	2001.0	2679.6	3413.5	4087.9	4871.7	5815.7	7028.8	7701.9	7872.9
61°	1794.5	1482.2	1828.7	2487.1	3319.9	4041.1	4820.0	5769.7	6981.0	7665.8	7803.5
62°	1709.5	1337.0	1714.9	2475.5	3304.1	3997.8	4756.5	5707.1	6903.0	7612.7	7726.8
63°	1539.7	1191.0	1551.8	2316.2	3243.2	3980.5	4687.3	5619.4	6809.9	7545.2	7635.0
64°	1369.8	965.8	1388.8	2267.1	3191.9	3926.6	4618.0	5530.6	6699.2	7467.9	7523.0
65°	1198.5	744.8	1225.6	2101.8	3155.1	3847.6	4550.9	5426.0	6595.0	7372.2	7389.3
66°	977.0	556.6	990.3	2021.5	3078.1	3858.3	4463.2	5283.6	6481.7	7260.8	7240.5
67°	793.7	370.1	780.0	1875.9	3048.0	3871.3	4348.7	5123.6	6343.6	7131.1	7076.7
68°	580.5	183.7	576.2	1726.1	2972.2	3858.3	4222.5	4907.4	6163.0	6977.0	6900.4
69°	420.5	0.4	404.2	1544.6	2907.9	3730.4	4072.2	4619.2	5927.8	6794.9	6707.7
70°	378.3	0.4	354.0	1434.2	2847.3	3610.6	3852.5	4200.8	5622.4	6583.8	6492.6
71°	336.9	0.3	308.8	1345.5	2768.1	3501.2	3561.7	3730.1	5228.3	6341.9	6261.4
72°	291.0	0.4	262.9	1256.7	2685.4	3369.7	3261.5	3301.3	4770.6	6075.4	6037.3
73°	241.8	0.4	213.7	1167.7	2579.5	3186.6	2981.5	2941.3	4293.6	5749.3	5805.6
74°	197.7	0.4	166.0	1067.2	2432.1	3011.0	2698.9	2539.2	3800.0	5354.8	5557.4
75°	156.5	0.5	136.3	945.5	2265.1	2833.3	2332.5	1961.0	3274.0	4908.5	5271.3
76°	115.5	0.5	126.1	836.7	2044.6	2624.7	1779.7	1231.6	2629.9	4416.1	4929.2
77°	89.1	0.6	138.1	734.2	1746.6	2397.3	1226.8	587.9	1817.3	3874.6	4485.9
78°	95.8	0.7	127.2	631.3	1446.7	2085.8	675.5	375.7	992.0	3224.5	3843.5
79°	130.0	0.8	116.3	551.8	1147.0	1542.7	276.8	173.3	728.9	2486.5	3078.6
80°	134.1	0.9	105.1	507.9	850.2	999.6	198.4	147.0	465.9	1630.2	2200.0
81°	121.5	1.1	65.7	469.7	675.0	468.3	120.9	128.3	202.9	830.0	1306.3
82°	88.3	1.2	36.4	401.8	563.7	348.4	99.4	111.3	171.6	615.6	568.2
83°	55.4	1.4	27.8	294.3	437.6	228.5	82.2	94.8	147.8	402.6	409.2
84°	33.0	1.5	19.1	186.9	291.2	109.8	67.3	78.8	125.9	189.5	267.7
85°	25.2	1.7	10.6	80.3	192.9	90.1	53.6	62.1	103.4	149.5	233.0
86°	17.4	1.9	8.9	47.4	94.9	71.7	41.4	47.6	81.8	120.1	195.9
87°	9.7	2.1	7.7	28.7	50.4	52.9	30.6	33.2	62.0	95.3	154.1
88°	7.6	2.3	6.5	20.3	34.8	36.6	21.6	18.7	45.7	72.3	105.8
89°	5.3	2.5	4.9	11.9	19.2	20.3	12.6	8.2	29.4	56.1	61.4

REPORT NUMBER: P1445095

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1445095

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1445095
CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1445095

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	4243.6	4243.6	4243.6
1°	4297.9	4305.8	4308.3
2°	4363.0	4379.0	4383.5
3°	4434.7	4457.7	4465.7
4°	4514.0	4548.0	4558.8
5°	4603.0	4646.0	4660.8
6°	4696.6	4752.1	4771.4
7°	4799.3	4868.9	4893.0
8°	4910.1	4993.5	5021.3
9°	5028.2	5127.6	5163.3
10°	5157.0	5274.2	5316.5
11°	5295.6	5431.3	5479.2
12°	5442.2	5597.8	5654.4
13°	5599.6	5780.1	5847.1
14°	5764.5	5968.8	6048.3
15°	5939.1	6167.4	6256.4
16°	6116.7	6372.7	6469.4
17°	6301.8	6581.9	6680.8
18°	6486.7	6787.6	6889.9
19°	6669.0	6984.3	7095.0
20°	6845.3	7175.0	7293.6
21°	7015.7	7357.8	7479.7
22°	7176.3	7528.2	7656.0
23°	7332.9	7697.9	7823.1
24°	7481.7	7863.1	7982.4
25°	7631.8	8021.0	8131.1
26°	7781.8	8164.6	8262.2
27°	7923.4	8293.0	8376.9
28°	8045.9	8404.4	8487.7
29°	8159.3	8515.8	8599.1
30°	8279.9	8643.0	8734.1
31°	8400.5	8760.3	8844.8
32°	8511.3	8846.8	8928.7
33°	8589.2	8891.4	8962.2
34°	8626.6	8887.4	8943.8
35°	8620.7	8836.3	8882.9
36°	8587.9	8758.3	8800.9
37°	8531.6	8678.4	8728.8
38°	8477.8	8627.3	8697.4
39°	8445.7	8603.0	8687.6
40°	8431.3	8591.9	8684.9
41°	8424.7	8586.6	8682.3
42°	8418.2	8583.3	8673.8
43°	8411.6	8576.8	8654.8
44°	8406.4	8565.7	8626.6

REPORT NUMBER: P1445095

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	8401.2	8544.7	8586.6
46°	8394.6	8517.8	8540.7
47°	8384.8	8487.7	8487.7
48°	8369.7	8453.6	8432.6
49°	8347.4	8418.2	8373.6
50°	8319.2	8382.2	8309.4
51°	8282.5	8342.8	8238.6
52°	8242.6	8293.0	8157.4
53°	8201.3	8231.4	8069.5
54°	8159.3	8155.4	7971.2
55°	8112.8	8066.3	7859.8
56°	8056.4	7960.7	7731.4
57°	7986.3	7842.8	7591.1
58°	7896.5	7699.9	7434.5
59°	7798.2	7542.6	7264.1
60°	7685.5	7370.3	7064.9
61°	7558.4	7172.3	6812.5
62°	7414.8	6932.5	6512.1
63°	7262.8	6652.6	6176.3
64°	7094.4	6349.7	5844.8
65°	6905.0	6064.9	5557.6
66°	6703.8	5814.2	5329.2
67°	6501.6	5606.6	5179.8
68°	6296.6	5442.2	5103.0
69°	6118.1	5321.1	5033.7
70°	5966.7	5213.3	4846.4
71°	5809.7	5045.9	4476.4
72°	5637.6	4745.3	3988.3
73°	5467.9	4322.8	3504.3
74°	5269.9	3847.8	3046.6
75°	4969.1	3329.1	2387.5
76°	4570.0	2691.7	1499.9
77°	4108.0	1859.4	708.9
78°	3537.5	995.3	556.8
79°	2738.9	749.9	412.0
80°	1696.1	513.1	267.3
81°	856.4	276.4	243.2
82°	641.7	240.6	221.2
83°	445.9	217.1	200.2
84°	250.0	192.1	178.8
85°	196.9	166.6	157.2
86°	160.1	142.9	134.0
87°	131.8	121.0	111.1
88°	104.6	99.5	90.6
89°	75.2	77.8	74.1

REPORT NUMBER: P1445095

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
90°	0.0	0.0	0.0
91°	0.0	0.0	0.0
92°	0.0	0.0	0.0
93°	0.0	0.0	0.0
94°	0.0	0.0	0.0
95°	0.0	0.0	0.0
96°	0.0	0.0	0.0
97°	0.0	0.0	0.0
98°	0.0	0.0	0.0
99°	0.0	0.0	0.0
100°	0.0	0.0	0.0
101°	0.0	0.0	0.0
102°	0.0	0.0	0.0
103°	0.0	0.0	0.0
104°	0.0	0.0	0.0
105°	0.0	0.0	0.0
106°	0.0	0.0	0.0
107°	0.0	0.0	0.0
108°	0.0	0.0	0.0
109°	0.0	0.0	0.0
110°	0.0	0.0	0.0
111°	0.0	0.0	0.0
112°	0.0	0.0	0.0
113°	0.0	0.0	0.0
114°	0.0	0.0	0.0
115°	0.0	0.0	0.0
116°	0.0	0.0	0.0
117°	0.0	0.0	0.0
118°	0.0	0.0	0.0
119°	0.0	0.0	0.0
120°	0.0	0.0	0.0
121°	0.0	0.0	0.0
122°	0.0	0.0	0.0
123°	0.0	0.0	0.0
124°	0.0	0.0	0.0
125°	0.0	0.0	0.0
126°	0.0	0.0	0.0
127°	0.0	0.0	0.0
128°	0.0	0.0	0.0
129°	0.0	0.0	0.0
130°	0.0	0.0	0.0
131°	0.0	0.0	0.0
132°	0.0	0.0	0.0
133°	0.0	0.0	0.0
134°	0.0	0.0	0.0

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CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
135°	0.0	0.0	0.0
136°	0.0	0.0	0.0
137°	0.0	0.0	0.0
138°	0.0	0.0	0.0
139°	0.0	0.0	0.0
140°	0.0	0.0	0.0
141°	0.0	0.0	0.0
142°	0.0	0.0	0.0
143°	0.0	0.0	0.0
144°	0.0	0.0	0.0
145°	0.0	0.0	0.0
146°	0.0	0.0	0.0
147°	0.0	0.0	0.0
148°	0.0	0.0	0.0
149°	0.0	0.0	0.0
150°	0.0	0.0	0.0
151°	0.0	0.0	0.0
152°	0.0	0.0	0.0
153°	0.0	0.0	0.0
154°	0.0	0.0	0.0
155°	0.0	0.0	0.0
156°	0.0	0.0	0.0
157°	0.0	0.0	0.0
158°	0.0	0.0	0.0
159°	0.0	0.0	0.0
160°	0.0	0.0	0.0
161°	0.0	0.0	0.0
162°	0.0	0.0	0.0
163°	0.0	0.0	0.0
164°	0.0	0.0	0.0
165°	0.0	0.0	0.0
166°	0.0	0.0	0.0
167°	0.0	0.0	0.0
168°	0.0	0.0	0.0
169°	0.0	0.0	0.0
170°	0.0	0.0	0.0
171°	0.0	0.0	0.0
172°	0.0	0.0	0.0
173°	0.0	0.0	0.0
174°	0.0	0.0	0.0
175°	0.0	0.0	0.0
176°	0.0	0.0	0.0
177°	0.0	0.0	0.0
178°	0.0	0.0	0.0
179°	0.0	0.0	0.0

REPORT NUMBER: P1445095

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)